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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/510,535

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2328

7590

09/04/2009

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EXAMINER

BAIG, SAHAR A

ART UNIT

PAPER NUMBER

2424

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DELIVERY MODE

09/04/2009

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/510,535	<b>Applicant(s)</b> KRAKORA ET AL.	
	<b>Examiner</b> SAHAR A. BAIG	<b>Art Unit</b> 2424	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 28 April 2009.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |                                                                                      |                                                                   |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____                                                          | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### *Response to Arguments*

1. Applicant's arguments with respect to the amended claims 1-24 have been considered but are moot in view of the new ground(s) of rejection.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-12, 14-19, 21, and 23 rejected under 35 U.S.C. 102(b) as being anticipated by Dokic US Patent No. 5,959, 659.

Regarding Claims 1, 7, and 14 Dokic discloses a method for reducing channel change times [**Col. 2 lines 48-65** *a method is disclosed to aid in reducing the channel change time so that the time required to switch channels is nearly instantaneous from the user's prospective*], comprising: receiving a channel change command [**Col. 2 lines 8-10** *once a channel change command is sent the decoder starts working*]; initiating caching of an incoming data stream associated with a newly selected channel in response to the channel change command [**Col. 4 lines 54-60** *the newly selected channel's data stream begins to get acquired*], the cached data stream including decoder synchronization data

**[Col. 1 lines 48-56** *the acquired MPEG transport stream is divided into a number of packets with each packet including a header which has optional fields that assist in the synchronization and decoding of the audio/video data*]; finding program specific information included within the incoming data stream **[Col. 2 lines 8-21]**; transferring the cached data stream for decoding in response to the program specific information **[Col. 2 lines 40-44]**; and finding the decoder synchronization data within the cached data stream **[Col. 1 lines 48-56** *each data packet includes a header which has optional fields that assist in the synchronization and decoding of the audio/video data* & **Col. 4 line 61 – Col. 5 line 7]**.

Regarding Claims 2, 8, and 15 Dokic discloses a method wherein the program specific information comprises program association table data and program map table data **[Col. 2 lines 11-17]**.

Regarding Claim 3, 9, and 16 Dokic discloses a method wherein the step of finding the program specific information includes filtering data from the cached data stream **[Col. 8 lines 24-26]**.

Regarding Claims 4, 10, and 17 Dokic discloses a method wherein the data

filtered from the cached data stream comprises program map table data **[Col. 8 lines 58-60]**.

Regarding Claims 5, 11, and 18 Dokic discloses a method wherein the decoder synchronization data corresponds to sequence headers according to the MPEG standards **[Col. 1 lines 53-57]**.

Regarding Claims 6, 12, and 19 Dokic discloses a method wherein the step of finding the program specific information comprises: finding program association table data within the incoming data stream; finding program map table data using the program association table data **[Col. 2 lines 8-17]**; and finding at least one of video program identification data and audio program identification data using the program map table data **[Col. 2 lines 29-36]**.

Regarding Claims 21 and 23, Dokic discloses a method for reducing channel change times **[Col. 2 lines 48-65]**, comprising:  
receiving a channel change command; initiating caching of an incoming data stream associated with a newly selected channel in response to the channel change command, the cached data stream including header information used to start decoding video data included in the Incoming data stream **[Col. 2 lines 8-21]**; identifying the header information in the cached data stream **[Figure 2 & Col. 3 lines 16-34]**; and decoding the, cached data stream in response to the

header information **[Col. 4 line 61 Col. 5 line 2]**.

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 13, 20, 22, and 24 rejected under 35 U.S.C. 103(a) as being unpatentable over Dokic US Patent No. 5,959, 659 in view of Unger et al. US PG Pub No. 2002/0196939.

Regarding Claims 13 and 20, the Dokic reference is silent about the implementation of the system in a digital subscriber line set-top box. In an analogous art, Unger discloses that this decoding is performed at the subscriber unit **[0005]**. Therefore it would have been obvious to one of ordinary skill in the art to implement this at the subscriber side so that the channel change time may be reduced [Dokic Col. 2 lines 56-65].

Regarding claims 22 and 24, Unger discloses a method wherein header information corresponds to sequence headers according to the MPEG standards **[0082]**.

***Conclusion***

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SAHAR A. BAIG whose telephone number is (571)270-3005. The examiner can normally be reached on 4/5/9.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris Kelley can be reached on 571-272-7331. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2424

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Christopher Kelley/  
Supervisory Patent Examiner, Art  
Unit 2424

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